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| APPLICANT FACSIMILE OF FORM PTO-1449<br>REV 7-80<br><b>LIST OF PUBLICATIONS CITED BY APPLICANT</b><br>(Use several sheets if necessary) | U.S. DEPARTMENT OF<br>COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTY DOCKET NO<br><b>AHN-001DV1</b>          | SERIAL NO.<br><b>09/658,734</b>          |
|   |   | APPLICANT<br><b>Winfried Edelmann et al.</b> | RECEIVED<br><b>1600/2900</b>             |
|   |   | FILING DATE<br><b>September 11, 2000</b>     | GROUP 1<br><b>AM 9:50</b><br><b>1632</b> |

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|---------------------|-----------------|------|------|-------|----------|-------------------------------|
|                     |                 |      |      |       |          |                               |
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## FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER           | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION<br>YES NO |
|---------------------------|------|---------|-------|----------|-----------------------|
| <b>1507</b> A1 WO 9901550 | 1/99 | PCT     |       |          |                       |
|                           |      |         |       |          |                       |

## OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

|  |     |   |                 |         |
|--|-----|---|-----------------|---------|
| LAN  | A2  | Akiyama Y, et al. "Germ-line mutation of the hMSH6/GTBP gene in an atypical hereditary nonpolyposis colorectal cancer kindred". <i>Cancer Res.</i> 1997 Sep 15;57(18):3920-3;   |                 |         |
| LAN  | A3  | Bawa S, et al. "A mutation in the MSH5 gene results in alkylation tolerance. " <i>Cancer Res.</i> 1997 Jul 1;57(13):2715-20;  |                 |         |
| LAN  | A4  | Baker SM, et al. "Involvement of mouse Mlh1 in DNA mismatch repair and meiotic crossing over." <i>Nat Genet.</i> 1996 Jul;13(3):336-42;   |                 |         |
| LAN  | A5  | Baker SM, et al. "Male mice defective in the DNA mismatch repair gene PMS2 exhibit abnormal chromosome synapsis in meiosis." <i>Cell.</i> 1995 Jul 28;82(2):309-19;   |                 |         |
| LAN  | A6  | de Vries SS, et al. "Mouse MutS-like protein Msh5 is required for proper chromosome synapsis in male and female meiosis". <i>Genes Dev.</i> 1999 Mar 1;13(5):523-31;  |                 |         |
| LAN  | A7  | Edelmann W, et al. "Meiotic pachytene arrest in MLH1-deficient mice". <i>Cell.</i> 1996 Jun 28;85(7):1125-34;   |                 |         |
| LAN  | A8  | Hollingsworth NM, et al. "MSH5, a novel MutS homolog, facilitates meiotic reciprocal recombination between homologs in <i>Saccharomyces cerevisiae</i> but not mismatch repair." <i>Genes Dev.</i> 1995 Jul 15;9(14):1728-39; |                 |         |
| LAN  | A9  | Kolodner R. "Biochemistry and genetics of eukaryotic mismatch repair". <i>Genes Dev.</i> 1996 Jun 15;10(12):1433-42;  |                 |         |
| LAN  | A10 | Leach FS, et al. "Mutations of a mutS homolog in hereditary nonpolyposis colorectal cancer". <i>Cell.</i> 1993 Dec 17;75(6):1215-25;  |                 |         |
| LAN  | A11 | Miyaki M, et al. "Germline mutation of MSH6 as the cause of hereditary nonpolyposis colorectal cancer." <i>Nat Genet.</i> 1997 Nov;17(3):271-2;   |                 |         |
| LAN  | A12 | Modrich P, et al. "Mismatch repair in replication fidelity, genetic recombination, and cancer biology". <i>Annu Rev Biochem.</i> 1996;65:101-33;  |                 |         |
| Examiner   |     | 1507  | Date Considered | 4/22/04 |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |     |   |                 |         |

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| LIST OF PUBLICATIONS CITED BY APPLICANT<br>(Use several sheets if necessary) |   | APPLICANT<br><b>Winfried Edelmann et al.</b> | RECEIVED<br>TECH CENTER 1600/2900         |
|  |   | FILING DATE<br><b>September 11, 2000</b>     | GROUP<br><b>03 JAN -8 AM 9:51</b><br>1632 |

## OTHERS (including Author, Title, Date, Pertinent Pages, Etc.)

|  |                                |  |
|--|--------------------------------|--|
| <i>LD</i>  | B1                             | Moreadith RW, et al. "Gene targeting in embryonic stem cells: the new physiology and metabolism". <i>J Mol Med.</i> 1997 Mar;75(3):208-16;   |
| <i>LD</i>  | B2                             | Mullins, L, J et al. "Transgenesis in the Rat and Larger Mammals" <i>J. Clin. Invest.</i> 1996;98: s37-s40;  |
| <i>LD</i>  | B3                             | Papadopoulos N, et al. "Mutation of a mutL homolog in hereditary colon cancer." <i>Science.</i> 1994 Mar 18;263(5153):1625-9;  |
| <i>LD</i>  | B4                             | Pochart P, et al. "Conserved properties between functionally distinct MutS homologs in yeast." <i>J Biol Chem.</i> 1997 Nov 28;272(48):30345-9;  |
| <i>LD</i>  | B5                             | Reitmair AH, et al. "MSH2 deficient mice are viable and susceptible to lymphoid tumours." <i>Nat Genet.</i> 1995 Sep;11(1):64-70;  |
| <i>LD</i>  | B6                             | Ross-Macdonald P, et al. "Mutation of a meiosis-specific MutS homolog decreases crossing over but not mismatch correction." <i>Cell.</i> 1994 Dec 16;79(6):1069-80;  |
| <i>LD</i>  | B7                             | Seamark RF. "Progress and emerging problems in livestock transgenesis: a summary perspective". <i>Reprod Fertil Dev.</i> 1994;6(5):653-7;  |
| <i>LD</i>  | B8                             | Winand NJ, et al. "Cloning and characterization of the human and Caenorhabditis elegans homologs of the Saccharomyces cerevisiae MSH5 gene". <i>Genomics.</i> 1998 Oct 1;53(1):69-80;                          |
| <i>LD</i>  | B9                             | de Wind N, et al. "Inactivation of the mouse Msh2 gene results in mismatch repair deficiency, methylation tolerance, hyperrecombination, and predisposition to cancer". <i>Cell.</i> 1995 Jul 28;82(2):321-30. |
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| Examiner   | <i>LD</i>                      |  |
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